

Applicant: Patrice Flaherty
Application No: 10/630,402
Filing Date: 07/30/2003
Attorney Docket No: 1066

IN THE CLAIMS

Please amend claims 1, 7, 24 and 32 as follows.

1. (Currently amended) A device for collecting blood from and administering medical fluids to a patient, comprising:

a main tubing segment for conveying the blood and the medical fluids;

an indicator unit and a syringe port disposed in fluid communication with said main tubing segment in branched relationship to each other at a tubing bifurcation, said indicator unit adapted for indicating blood volume;

a clamp operably engaging said main tubing segment and adapted to selectively block and unblock flow of the fluids in both directions through said main tubing segment; and

wherein said clamp is disposed upstream of said tubing bifurcation along a flow path of the fluids through said main tubing segment; and

at least one air-permeable membrane provided in said indicator unit.

2. (Original) The device of claim 1 further comprising a blood volumeter provided in said indicator unit.

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3. (Original) The device of claim 1 wherein said indicator unit is disposed in removable fluid communication with said main tubing segment.

4. (Original) The device of claim 3 further comprising a blood volumeter provided in said indicator unit.

5. (Previously presented) The device of claim 2 wherein said blood volumeter is a volumeter chamber.

6. (Original) The device of claim 5 wherein said indicator unit is disposed in removable fluid communication with said main tubing segment.

7. (Currently amended) A device for collecting blood from and administering medical fluids to a patient, comprising:

a main tubing segment for conveying the blood and the medical fluids;

an indicator unit and a syringe port disposed in fluid communication with said main tubing segment in branched relationship to each other, said indicator unit adapted for indicating blood volume and said indicator unit and said syringe port defining branched bidirectional fluid flow pathways;

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a clamp operably engaging said main tubing segment for selectively blocking said main tubing segment; and

at least one air-permeable and liquid-impermeable membrane provided in said indicator unit and allowing bidirectional fluid movement between said indicator unit and said syringe port; and

a syringe coupled to said syringe port and adapted to induce vacuum pressure at said syringe port.

8. (Original) The device of claim 7 further comprising a blood volumeter provided in said indicator unit.

9. (Original) The device of claim 7 wherein said indicator unit is disposed in removable fluid communication with said main tubing segment.

10. (Previously presented) The device of claim 8 wherein said blood volumeter is a volumeter chamber.

11. (Original) The device of claim 10 wherein said indicator unit is disposed in removable fluid communication with said main tubing segment.

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16. (Withdrawn) The device of claim 12 further comprising a protective container provided in fluid communication with said indicator unit and wherein said blood reservoir is contained in said protective container.

17. (Withdrawn) A device for collecting blood from and administering medical fluids to a patient, comprising:

- a main tubing segment for conveying the blood and the medical fluids;

- an indicator unit and a first syringe port disposed in fluid communication with said main tubing segment in branched relationship to each other, said indicator unit adapted for indicating blood content;

- a second syringe port provided in fluid communication with said indicator unit; and

- a clamp operably engaging said main tubing segment for selectively blocking said main tubing segment.

18. (Withdrawn) The device of claim 17 further comprising a cap device for removably engaging and sealing said second syringe port and an air-permeable membrane carried by said cap device.

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19. (Withdrawn) The device of claim 17 further comprising a blood volumeter provided in said indicator unit.

20. (Withdrawn) The device of claim 19 wherein said blood volumeter is a spiral tubing volumeter, a folded tubing volumeter or a volumeter chamber.

21. (Withdrawn) A device for collecting blood from and administering medical fluids to a patient, comprising:

- a main tubing segment for conveying the blood and the medical fluids;

- a syringe port provided in fluid communication with said main tubing segment;

- an expandible blood receptacle for removably engaging said syringe port in fluid communication with said main tubing segment; and

- a clamp operably engaging said main tubing segment for selectively blocking said main tubing segment.

22. (Withdrawn) The device of claim 21 further comprising a blood volumeter provided in fluid communication with said main tubing segment.

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23. (Withdrawn) The device of claim 21 further comprising a second syringe port provided in fluid communication with said main tubing segment and wherein said syringe port and said second syringe port branch separately from said main tubing segment.

24. (Currently amended) A device for collecting blood from and administering medical fluids to a patient, comprising:

a main tubing segment for conveying the blood and the medical fluids;

an indicator unit and a syringe port disposed in fluid communication with said main tubing segment in branched relationship to said main tubing segment and each other at a tubing bifurcation, said indicator unit having a blood volumeter adapted for indicating blood volume and said indicator unit and said port defining branched fluid flow pathways;

a clamp operably engaging said main tubing segment upstream of said tubing bifurcation along a flow path of the fluids through said main tubing segment and adapted to crimp and selectively block and unblock flow of the fluids in both directions through said main tubing segment;

at least one air-permeable membrane provided in said indicator unit in fluid communication with said blood volumeter; and

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wherein said at least one air-permeable membrane allows
bidirectional fluid movement between and through said indicator unit and said
syringe port; and

wherein said indicator unit has a first end proximate to said tubing
bifurcation and a second end further from said tubing bifurcation and wherein said
at least one air-permeable membrane is located at said second end of said indicator
unit.

25. (Previously presented) The device of claim 24 further comprising a
connector provided in fluid communication with said main tubing segment and
wherein said indicator unit is disposed in removable fluid communication with said
connector.

26. (Previously presented) The device of claim 24 wherein said blood
volumeter is a volumeter chamber.

27. (Previously presented) The device of claim 24 further comprising a
collector conduit provided in fluid communication with said main tubing segment
and wherein said indicator unit is disposed in fluid communication with said
collector conduit.

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28. (Previously presented) The device of claim 27 wherein said indicator unit comprises a volumeter conduit provided in fluid communication with said collector conduit and wherein said blood volumeter is provided in fluid communication with said volumeter conduit.

29. (Previously presented) The device of claim 28 further comprising a port disposed between said collector conduit and said volumeter conduit.

30. (Previously presented) The device of claim 24 further comprising a syringe tubing segment provided in fluid communication with said main tubing segment and wherein said port is provided on said syringe tubing segment.

31. (Previously presented) The device of claim 24 further comprising a connector provided in said main tubing segment between said clamp and said indicator unit and said port.

32. (Currently amended) The device of claim 1 ~~further comprising a~~ wherein said tubing bifurcation ~~having comprises~~ a syringe leg and a collector tubing leg communicating with said main tubing segment and wherein said syringe port communicates with said syringe leg and said indicator unit communicates with said collector tubing leg.